

LIEBHERR

CONSTRUCTION EQUIPMENT



[(354956)] LIEBHERR A922 128674-1509 - Diesel Engine

Sample No: LH0274096

Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0274096	LH0238916	LH0225475	---
Sample Date	01 Sep 2023	20 Jan 2023	20 May 2022	---
Machine Hours	2993	2095	1163	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

Transec Common Inc.
 2075 Boul. Fortin
 Laval, QC
 CA H7S 1P4
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	12.3	13.0	12.0	---
Oxidation (PA)	%	85	74	79	---

T:
F:



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	87	77	76	---
Sulfation (PA)	%	61	60	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.5	---
Silicon	ppm	8	24	11	---
Sodium	ppm	5	3	4	---
Potassium	ppm	<1	0	<1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	19	22	20	---
Copper	ppm	79	138	8	---
Lead	ppm	3	4	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	3	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	42	49	54	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	4	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1451	1607	1048	---
Magnesium	ppm	808	804	1065	---
Zinc	ppm	1267	1289	1270	---
Phosphorus	ppm	1095	1122	1070	---
Barium	ppm	0	0	<1	---
Boron	ppm	21	3	46	---

Depot: TRA207LAV
Unique No: 5644550
Signed: Wes Davis
Report Date: 19 Sep 2023



GRAPHS

